

CLAIMS

What is claimed is:

1. An insole comprising:

a lower layer made from an open cell resilient material;

said lower layer having top surface and a relatively closed pore smooth bottom surface;

said lower layer being impregnated with a foot-odor adsorbing chemical;

an upper layer made from a natural pile material;

said upper layer having a first surface and a second surface;

said second surface of said upper layer being attached to said top surface of said lower layer such that together said upper layer and said lower layer form a multilayer laminate;

whereby said insole has a shape that is complimentary to the inner sole of a plurality of types of footwear such that when said insole is placed inside a piece of footwear said smooth bottom surface of said lower layer rests on the inner sole of said piece of footwear and said inner sole is covered by said insole and when a user is wearing footwear having said insole inserted therein said insole alternately flattens and expands upon application and release of pressure on said insole thereby circulating air around a users foot and forcing air containing moisture and odors through said upper layer and into said lower layer where said air contacts said foot-odor adsorbing chemicals in said lower layer and foot odor causing bacteria is neutralized while any moisture is absorbed by said bottom layer.

2. The insole of claim 1 wherein said foot-odor adsorbing chemical is selected from the group consisting of activated charcoal, zeolite, and silica gel.

3. The insole of claim 1 wherein the said lower layer is composed of foamed plastic material.

4. The insole of claim 1 wherein said upper layer is relatively thick and has a natural leather surface said natural leather surface comprises said second surface of said upper layer.

5. The insole of claim 4 wherein said upper layer is composed of shearling and the lower layer of said insole is a thin foam layer whereby said lower layer is attached to said second surface of said upper layer.

6. The insole of claim 1 wherein said upper layer is attached to said lower layer with an adhesive.

7. The insole of claim 1 wherein said upper layer is attached to said lower layer by sewing said layers together.

8. The insole of claim 1 wherein said lower layer has a plurality of holes communicating from said top surface to said bottom surface such that said holes contain air when no pressure is being applied to said insole and said air is force out of said holes when

said insole flattens upon application of pressure, thereby circulating air around the bottom of a users foot.

9. An insole comprising:
 - a lower layer made from an open cell resilient foamed plastic material;
 - said lower layer having top surface and a relatively closed pore smooth bottom surface;
 - said lower layer being impregnated with a foot-odor adsorbing chemical selected from the group consisting of activated charcoal, zeolite, and silica gel;
 - an upper layer made from a natural shearling pile material;
 - said upper layer having a pile surface and a natural leather surface;
 - said natural leather surface of said upper layer being attached to said top surface of said lower layer with an air porous bond such that together said upper layer and said lower layer form a multilayer laminate;
 - whereby said insole has a shape that is complimentary to the inner sole of a plurality of types of footwear such that when said insole is placed inside a piece of footwear said smooth bottom surface of said lower layer rests on the inner sole of said piece of footwear and said inner sole is covered by said insole and when a user is wearing footwear having said insole inserted therein said multilayer laminate alternately flattens and expands upon application and release of pressure on said insole thereby circulating air around a users foot and forcing air containing moisture and odors through said upper layer and into said lower layer where said air contacts said foot-odor adsorbing chemicals in said lower layer and foot odor causing bacteria is neutralized while any moisture is absorbed by said bottom layer.

10. The insole of claim 9 wherein said lower layer has an uncompressed thickness from about 1/16 to approximately 1/4 inch and said upper layer has a thickness of from about 1/4 to 1/2 inch.

11. The insole of claim 9 wherein said upper layer is attached to said lower layer with an adhesive.

12. The insole of claim 9 wherein said upper layer is attached to said lower layer by sewing said layers together.

13. The insole of claim 9 wherein said lower layer has a plurality of holes communicating from said top surface to said bottom surface such that said holes contain air when no pressure is being applied to said insole and said air is force out of said holes when said insole flattens upon application of pressure, thereby circulating air around the bottom of a users foot.

14. An insole comprising:
a lower layer made from an open cell resilient foamed plastic material;
said lower layer having an uncompressed thickness from about 1/16 to approximately 1/4 inch;
said lower layer having top surface and a relatively closed pore smooth bottom surface;

said lower layer being impregnated with a foot-odor adsorbing chemical selected from the group consisting of activated charcoal, zeolite, and silica gel;

an upper layer made from a natural shearling pile material;

said upper layer having a pile surface and a natural leather surface;

said upper layer has a thickness of from about 1/4 to 1/2 inch;

said natural leather surface of said upper layer being attached to said top surface of said lower layer with an air porous bond such that together said upper layer and said lower layer form a multilayer laminate;

whereby said insole has a shape that is complimentary to the inner sole of a plurality or types of footwear such that when said insole is placed inside a piece of footwear said smooth bottom surface of said lower layer rests on the inner sole of said piece of footwear and said inner sole is covered by said insole and when a user is wearing footwear having said insole inserted therein said multilayer laminate alternately flattens and expands upon application and release of pressure on said insole thereby circulating air around a users foot and forcing air containing moisture and odors through said upper layer and into said lower layer where said air contacts said foot-odor adsorbing chemicals in said lower layer and foot odor causing bacteria is neutralized while any moisture is absorbed by said bottom layer.

15. The insole of claim 14 wherein said upper layer is attached to said lower layer with an adhesive.

16. The insole of claim 14 wherein said upper layer is attached to said lower layer by sewing said layers together.

17. The insole of claim 14 wherein said lower layer has a plurality of holes communicating from said top surface to said bottom surface such that said holes contain air when no pressure is being applied to said insole and said air is force out of said holes when said insole flattens upon application of pressure, thereby circulating air around the bottom of a users foot.